

CERTIFICATE OF ANALYSIS

Product Name:	ETHYL LAUROYL ARGINATE HCL	Batch No.	JL20221107
Cas	60372-77-2	MF Date	Nov. 07, 2022
Packing	25KGS/DRUM	Analysis Date	Nov. 07, 2022
Quantity	500KGS	Expiry Date	May. 06, 2024
ITEM 分析项目	STANDARD 技术指标	RESULT 实测结果	
Appearance	White Powder	Conform	
Solubility	Freely soluble in water, ethanol, propylene glycol and glycerol	Conform	
Specific Rotation	-15.5°~-17.5°(C=2% in MeOH)	-15.5°	
Water content	≤5.0%	4.6%	
Melting point	50.5-58.5°C	57.6-58.4°C	
PH	3.0-5.0(1% aqueous solution)	4.5	
Lead	≤1mg/KG	Conform	
Arsenic	≤3mg/KG	Conform	
Cadmium	≤1mg/KG	Conform	
Mercury	≤1mg/KG	Conform	
Related substance	Lauric acid ≤5%	0.8%	
	Ethyl laurate ≤3%	Not detected	
	L-arginine ≤1%	Not detected	
	L-arginine ethyl ester ≤1%	Not detected	
	N-lauroyl-L-arginine ≤3%	Not detected	
Purity(HPLC)	≥97.0%	99.6%	
Assay	90.0%~100.0%	96.3%	
Conclusion	Qualified		

Analyst: Wen Qian

Quality Assurance Officer: Zhan Peng